

METHOD AND APPARATUS FOR IMPLEMENTING A SLEEP PROXY FOR SERVICES ON A NETWORK

ABSTRACT

One embodiment of the present invention provides a system for implementing a sleep proxy. The system starts by receiving a request at the sleep proxy for information pertaining to a service provided by a device. In response to this request, the system determines if the device is a member of a list of devices for which the sleep proxy takes action. If so, the system determines if the sleep proxy can answer the request. If so, the sleep proxy sends a response to the request on behalf of the device. In a variation on this embodiment, if the system cannot answer the request on behalf of the device, the system sends a wakeup packet to the device, wherein the wakeup packet causes the device to exit a power-saving mode so that the device can respond to the request directly.